

GENERA OF THE SCOLOPENDRELLIDÆ.

By J. A. RYDER.

There are two forms of this group; the first has the body very slender, tapering anteriorly, with the eyes or stemmata placed on the upper surface of the narrow, elongate head; the second form has a broader, more robust body of nearly uniform width anteriorly and posteriorly, with the eyes or stemmata at the sides of the head and not visible from above, the head itself being nearly circular or subquadrate in outline from above. The first is the type to which we may assign the old designation of *Scolopendrella* originally proposed for it by Gervais; the second, of which Newport's species becomes the type, may be distinguished generically from the first as pointed out above, under the name of *Scutigerebella*. The latter form is also distinguished from the first by the much greater development of the basal appendages of the legs.

Scolopendrella comprehends:

S. notocantha Gervais.

S. microcolpa Mahr.

Scutigerebella comprehends:

S. immaculata Newport.

S. gratie Ryder.

The literature of the subject has been fully cited by me in a paper entitled *The Structure, Affinities, and Species of Scolopendrella*, in Proc. Acad. Nat. Sci. Philad., 79-86, 1881.

**A LIST OF THE SPECIES OF FISHES RECORDED AS OCCURRING
IN THE GULF OF MEXICO.**

By G. BROWN GOODE and TARLETON H. BEAN.

For the convenience of collectors in the Gulf of Mexico we have prepared the following list of fishes recorded as occurring in its waters. Of the species marked by an asterisk there are specimens in the National Museum from this region. We have not inquired into the validity of the other species, but have given them under the names by which they are cited in the works of Günther, Cuvier & Valenciennes, Girard, and other authorities, preferring to leave their nomenclature unchanged until studies have been made upon specimens.

Nearly 300 species are enumerated in this list and several undescribed

forms remain to be added. The list was prepared in January, 1881, but has since been somewhat enlarged.

MALTHEIDÆ.

- * *Malthe cubifrons* Richardson.
- * *Malthe vespertilio* (L.) Cuv.
- * *Halientichthys aculeatus* (Mitchell) Goode.

ANTENNARIIDÆ.

- * *Antennarius annulatus* Gill.
- * *Antennarius pleurophthalmus* Gill.
- * *Pterophrynoides histrio* (L.) Gill.

CERATIDÆ.

Ceratias, sp.

DIODONTIDÆ.

- * *Chilomycterus geometricus* (Linn.) Kaup.
- * *Chilomycterus reticulatus* (L.) Günther.
- * *Diodon hystrix* L.
- * *Diodon novemmaculatus* Cuv.

TETRODONTIDÆ.

- * *Tetrodon nephelus* G. & B. MSS.
- * *Tetrodon testudineus* Linn.
- * *Tetrodon Spengleri* Bl.
- * *Lagocephalus levigatus* (L.) Gill.

OSTRACIONTIDÆ.

- * *Ostracion quadricorne* Linn.
- * *Ostracion triquetrum* Linn.
- * *Ostracion trigonum* Linn.

BALISTIDÆ.

- * *Alutera Schoepfii* (Walb.) Goode & Bean.
- * *Alutera scripta* (Osbeck) Blkr.
- * *Monacanthus occidentalis* Günther.
- * *Monacanthus pullus* Ranz.
- Monacanthus Davidsonii* Cope.
- Monacanthus spilonotus* Cope.
- * *Balistes capriscus* Linn.

HIPPOCAMPIDÆ.

- * *Hippocampus zosterae* J. & G. MSS.
- * *Hippocampus stylifer* J. & G. MSS.
- Hippocampus puncticulatus* Guich.

SYNGNATHIDÆ.

- * *Siphostoma louisiana* (Linn.) Jor. & Gilb.
- * *Siphostoma zatropis* J. & G. MSS.
- * *Siphostoma affine* (Gthr.) Jor. & Gilb.
- * *Siphostoma floridae* J. & G. MSS.

FISTULARIIDÆ.

- * *Aulostoma maculatum* Val.

SOLEIDÆ.

- Achirus Brownii* Günther.
- * *Achirus brachialis* Bean MSS.
- * *Aphoristia plagiata* (L.) Jor. & Gilb.
- * *Etropus crossotus* Jor. & Gilb.

PLEURONECTIDÆ.

- * *Hemirhombus aramaca* (Cuv.) Gthr.
- * *Citharichthys spilopterus* Günther.
- * *Paralichthys dentatus* (Linn.) Jor. & Gilb.
- * *Paralichthys ommatus* Jor. & Gilb.
- * *Paralichthys squamilentus* J. & G. MSS.

OPHIDIIDÆ.

- * *Ophidium Josephi* Girard.
- Ophidium Holbrookii* Putnam.
- * *Ophidium Graëllsi* Poey.
- * *Leptophidium profundorum* Gill.
- * *Genypterus omostigma* J. & G. MSS.

FIERASFERIDÆ.

Fierasfer dubius Putnam.

BLENNIIDÆ.

- * *Blennius Stearnsii* J. & G. MSS.
- * *Chasmodes Boscianus* (Lac.) C. & V.
- * *Chasmodes saburrae* Jor. & Gilb. MSS.
- * *Isesthes punctatus* (Wood) Jor. & Gilb.
- * *Isesthes scrutator* J. & G. MSS.
- * *Isesthes ionthas* Jor. & Gilb. MSS.
- Hyplenrochilus multifilis* (Girard) Gill.
- * *Labrosomus nuchipinnis* (Q. & G.) Poey.
- * *Cremnobates marmoratus* Steind.

OPISTHOGNATHIDÆ.

- Opisthognathus maxillosus* Poey.
- * *Opisthognathus lonchurus* Jor. & Gilb. MSS.

LEPTOSCOPIDÆ.

- * *Dactyloscopus tridigitatus* Gill.

URANOSCOPIDÆ.

- Astroscopus anoplus* (C. & V.) Brev.
- Astroscopus y-græcum* (C. & V.) Gill.

BATRACHIDÆ.

- * *Batrachus tau* Linn., subsp. beta Günther.
- * *Batrachus pardus* Goode & Bean.
- * *Porichthys plectrodon* J. & G. MSS.

GOBIESOCIDÆ.

- * *Gobiesox virgatulus* J. & G. MSS.

GOBIIDÆ.

- * *Gobiosoma molestum* Girard.
- * *Gobionellus oceanicus* (Pall.) Jor. & Gilb.

* *Lepidogobius gulosus* (Girard) J. & G.

- * *Gobius soporator* Cuv. & Val.
- * *Gobius lyricus* Girard.
- * *Gobius boleosoma* J. & G. MSS.
- * *Eleotris gyrynus* Cuv. & Val.
- * *Dormitator maculatus* (Bloch) Jor. & Gilb.
- * *Philypnus dormitator* Cuv. & Val.
- * *Culius amblyopsis* Cope.
- * *Ioglossus calliurus* Bean MSS.

TRIGLIDÆ.

- * *Cephalacanthus volitans* (Linn.) J. & G.
- * *Prionotus tribulus* Cuv. & Val.
- Prionotus carolinus* (L.) Cuv.
- * *Prionotus punctatus* (Bloch) C. & V.
- * *Prionotus scitulus* J. & G. MSS.

SCORPÆNIDÆ.

- * *Scorpæna Stearnsii*.
- * *Scorpæna Plumieri* Bloch.

SCARIDÆ.

- * *Scarus radians* C. & V.
- * *Hemistoma croicense* (Bloch) G. & B.
- * *Hemistoma guacamaia* (C. & V.) G. & B.

LABRIDÆ.

- * *PlatyGLOSSUS humeralis* Poey.
- * *PlatyGLOSSUS florealis* J. & G. MSS.
- * *PlatyGLOSSUS radiatus* (L.) J. & G.
- * *PlatyGLOSSUS caudalis* Poey.
- * *PlatyGLOSSUS bivittatus* (Bl.) Gthr.
- * *Harpe rufa* (L.) Gill.
- * *Xyrichtys vermiculatus* Poey.
- * *Lachnolæmus falcatus* (L.) Val.

POMACENTRIDÆ.

- * *Pomacentrus leucostictus* M. & T.
- * *Glyphidodon declivifrons* (Gill) Gthr.

- * *Chromis insolatus* (C. & V.) J. & G.
- * *Chromis enchrysurus* J. & G. MSS.

POLYNEMIDÆ.

- * *Polynemus octonemus* Girard.

ACANTHURIDÆ.

- * *Acanthurus nigricans* (Linn.) Gill.
- * *Acanthurus chirurgus* Bl. & Schn.

CHÆTODONTIDÆ.

- * *Chætodon capistratus* L.
- * *Pomacanthus arcuatus* (L.) Cuv.
- Holacanthus tricolor* (Bloch) Lac.
- * *Holacanthus ciliaris* (L.) Lac.

TRICHIURIDÆ.

- * *Trichiurus lepturus* Linn.

SCOMBRIDÆ.

- * *Oreynus alliteratus* (Raf.) Gill.
- * *Scomberomorus maculatus* (Mitch.) Jor. & Gilb.
- Scomberomorus regalis* (Bloch) Jor. & Gilb.
- Scomberomorus caballa* (C. & V.) J. & G.

CARANGIDÆ.

- * *Decapterus punctatus* (Mitch.) Gill.
- * *Caranx pisquetus* Cuv. & Val.
- * *Caranx hippos* (Linn.) Gill.
- * *Caranx fallax* Cuv. & Val.
- * *Caranx trachurus* (L.) Lac.
- * *Caranx amblyrhynchus* Cuv. & Val.
- * *Selene argentea* (Lac.) Brevoort.
- Selene capillaris* (Mitch.) G. & B.
- Vomer setipinnis* (Mitch.) C. & V.
- * *Blepharis crinitus* (Akerly) De Kay.
- * *Trachynotus carolinus* (Linn.) Gill.
- * *Trachynotus ovatus* (L.) Gthr.
- * *Trachynotus gorœnsis* C. & V.
- * *Trachynotus glaucus* (L.) C. & V.

- * *Seriola Stearnsii* Goode & Bean.
- Seriola Lalandii* C. & V.

- * *Seriola falcata* Cuv. & Val.
- Seriola Rivoliana* C. & V.

- * *Oligoplites occidentalis* (Linn.) Gill.

- * *Elagatis pinnulatus* Poey.

- * *Chloroscombrus chrysurus* (Linn.) Gill.

- Naucrates ductor* (L.) Raf.

CORYPHÆNIDÆ.

- * *Coryphæna punctulata* (Cuv. & Val.) Gthr.

STROMATEIDÆ.

- * *Stromateus alepidotus* (Linn.)

LATILIDÆ.

- * *Caulolatilus microps* G. & B.

BERYCIDÆ.

- * *Holocentrum sogo* (Bloch).

SCIÆNIDÆ.

- * *Eques acuminatus* Schn.
- * *Eques lanceolatus* Gmel.
- * *Cynoscion maculatum* (Mitch.) Gill.
- * *Cynoscion nothum* (Holbrook) Gill.
- * *Pogonias chromis* (Linn.) Cuv.
- * *Micropogon undulatus* (L.) C. & V.
- * *Liostomus xanthurus* Lac.
- * *Sciæna lanceolata* (Holbrook) Gthr.
- * *Sciæna punctata* (L.) J. & G.
- * *Sciæna ocellata* (Linn.) Gthr.
- * *Menticirrus alburnus* (Linn.) Gill.
- * *Menticirrus nebulosus* (Mitch.) Gill.
- * *Menticirrus littoralis* (Holbr.) Gill.

GERRIDÆ.

- * *Gerres harengulus* (G. & B.) J. & G.
- * *Gerres homonymus* (G. & B.) J. & G.

PIMELEPTERIDÆ.

Pimelepterus Boscii Lac.

SPARIDÆ.

- * Stenotomus caprinus Bean, MSS.
- * Lagodon rhomboides (Linn.) Holbrook.
- * Sparus Milneri (G. & B.) J. & G.
- * Sparus pagrus L.
- * Sparus macrops (Poey).
- * Sparus bajonado Bloch.
- * Diplodus probatocephalus (Walb.) J. & G.
- * Diplodus Holbrookii Bean.
- Diplodus caribbaeus (Poey) Jor. & Gilb.

PRISTIPOMATIDÆ.

- * Pomadasys fulvomaenulatus (Mitch.) Jor. & Gilb.
- * Pomadasys bilineatus (C. & V.) Jor. & Gilb.
- * Conodon nobilis (L.) Jor. & Gilb.
- * Rhomboplites aurorubens (Cuv. & Val.) Gill.
- * Lutjanus synagris (L.) J. & G.
- * Lutjanus caxis (Schneider) Poey.
- * Lutjanus Stearnsii G. & B.
- * Lutjanus Blackfordii G. & B.
- Lutjanus campeachianus Poey.
- Lutjanus caballerote Poey.
- * Diabasis fremebundus (G. and B.) J. & G.
- * Diabasis chrysopterus (L.) J. & G.
- * Diabasis formosus (L.) Jor. & Gilb.
- * Diabasis aurolineatus (Cuv. & Val.) Jor. & Gilb.
- * Diabasis elegans (C. & V.) Jor. & Gilb.
- * Diabasis chromis (Brouss.) Jor. & Gilb.
- Diabasis albus (C. & V.) Jor. & Gilb.
- * Diabasis jenuano (Poey) G. & B.
- * Pomadasys virginicus (L.) J. & G.

* Lutjanus chrysurus (Bl.) Vaill.

CENTRARCHIDÆ.

- * Micropterus salmoides (Lac.) Henshall.
- * Lepomis pallidus (Mitch.) Gill & Jor.
- * Lepomis Holbrookii (C. & V.) McKay.
- * Lepomis punctatus (C. & V.) J.

SERRANIDÆ.

- * Rhypticus pituitosus G. & B.
- * Epinephelus morio (C. & V.) Gill.
- * Epinephelus Drummond-hayi Goode and Bean.
- * Epinephelus nigritus (Holbrook) Gill.
- * Epinephelus lunulatus Poey.
- Epinephelus striatus (Bloch) Gill.
- * Epinephelus atlanticus (Lac.) J. & G.
- Epinephelus punctatus (L.) J. & G.
- Epinephelus taniops (C. & V.) J. & G.
- * Epinephelus guasa (Poey) J. & G.
- * Hypoplectrus nigricans (Poey) Gill.
- * Trisotropis falcatus Poey.
- * Trisotropis microlepis G. & B.
- * Trisotropis stomias G. & B. MSS.
- Trisotropis petrosus Poey.
- * Serranus atrarius (J. & G.)
- * Serranus subligarius (Cope) J. & G.
- * Serranus trifurcus (L.) J. & G.
- * Diplectrum fasciculare (C. & V.) Holbr.

LABRACIDÆ.

- * Roccus lineatus (Bl.) Gill.

CENTROPOMIDÆ.

- * Centropomus undecimalis (Bloch) C. & V.

EPHIPPIDÆ.

- * Chaetodipterus faber (Brouss.) Jor. & Gilb.

POMATOMIDÆ.

- * Pomatomus saltatrix (Linn.) Gill.

ELACATIDÆ.

- * Elacate canada (L.) Holbr.

LOBOTIDÆ.

- * Lobotes surinamensis (Bloch) Cuv.

CHLODIPTERIDÆ.

- * Apogon alutus (Poey) J. & G. MSS.

- * Apogon maculatus (Poey) J. & G.

ECHENEIDIDÆ.

- * Echeneis naucrates L.

SPHYRÆNIDÆ.

- * Sphyræna picuda Schneider.

- * Sphyræna guaguanocho Poey.

MUGILIDÆ.

- * Mugil albula Linn.

- * Mugil brasiliensis Agassiz.

ATHERINIDÆ.

- * Atherina Velieana G. & B.

- * Menidia peninsula (G. & B.) J. & G.

- * Menidia vagrans (G. & B.) J. & G.

BELONIDÆ.

- * Tylosurus longirostris (Mitch.) J. & G.

- Tylosurus caribbæus (Les.) J. & G.

- * Tylosurus notatus (Poey) J. & G.

- * Tylosurus gladius Bean MSS.

SCOMBRESOCIDÆ.

- * Hemirhamphus unifasciatus Ranz.

- * Exocætus noveboracensis Mitchell.

- * Exocætus Hillianus Gosse.

CYPRINODONTIDÆ.

- * Cyprinodon variegatus Lacép.

- * Cyprinodon gibbosus B. & G.

- * Cyprinodon elegans B. & G.

- * Cyprinodon bovinus B. & G.

- * Mollienesia latipinna Le Sueur.

- * Mollienesia lineolata Grd.

- * Fundulus grandis B. & G.

- * Fundulus similis (B. & G.) Gthr.

- * Fundulus ocellaris J. & G. MSS.

- * Fundulus xenicus J. & G. MSS.

- * Fundulus adinia Jor. & Gilb. MSS.

- * Gambusia patruelis (B. & G.) Grd.

- * Lucania venusta Grd.

STOMIATIDÆ.

- Astronesthes niger Rich.

SYNODONTIDÆ.

- * Synodus fætens (Linn.) Gill.

- * Trachinocephalus myops (Frost.) Gill.

- * Synodus intermedius (Spix) Poey.

ELOPIDÆ.

- * Megalops atlanticus C. & V.

- * Elops saurus L.

ALBULIDÆ.

- * Albula vulpes (L.) Goode.

CLUPEIDÆ.

- * Brevoortia patronus Goode.

- * Opisthonema thrissa (Osbeck) Gill.

- Harengula clupeola C. & V.

- * Harengula pensacolæ G. & B.

- * Clupea chrysochloris (Raf.) J. & G.

- * Culpea sapidissima Wilson.

- * Clupea pseudohispanica (Poey) Gthr.

DOROSOMIDÆ.

- Dorosoma mexicanum (Gthr.) J. & G.

- * Dorosoma Cepedianum (Les.) Gill.

ENGRAULIDIDÆ.

- * Stolephorus Brownii (Gmel.) Jor. & Gilb.

- * Stolephorus Mitchilli (C. & V.) Jor. & Gilb.

SILURIDÆ.

- * Arius felis (Linn.) Jor. & Gilb.
 * Ælurichthys marinus (Mitch.) B. & G.

ANGUILLIDÆ.

- * Anguilla vulgaris Raf.
 * Anguilla tyrannus Girard.
 * Conger caudicula Bean MSS.

MURÆNIDÆ.

- * Ophichthys macrurus Poey.
 * Ophichthys chrysops Poey.
 * Pisodontophis longus Poey.
 * Crotalopsis mordax (Poey) G. & B.
 * Sphagebranchus senticaris G. & B.
 * Sphagebranchus teres G. & B. MSS.
 * Letharchus velifer G. & B. MSS.
 * Herpetichthys ocellatus (Le Sueur) Goode & Bean.
 * Neoconger mucronatus Girard.
 * Myrophis lumbricus J. & G. MSS.
 * Myrophis microstigmus Poey.
 * Gymnothorax ocellatus Agassiz.
 * Gymnothorax afer Bl.
 * Gymnothorax moringa (Cuv.).

AMIIDÆ.

- * Amia calva L.

LEPIDOSTEIDÆ.

- * Lepidosteus osseus (L.) Ag.
 * Lepidosteus platystomus Raf.
 Lepidosteus tristœchus (Bl. & Schn.) Jor. & Gilb.

ACIPENSERIDÆ.

- Acipenser sp.

CEPHALOPTERIDÆ.

- Ceraptera birostris (Walb.) Goode.

TORPEDINIDÆ.

- * Narcine brasiliensis (Olfers) M. & H.

MYLIOBATIDÆ.

- * Rhinoptera quadriloba (Lac.) Cuv.

RHINOBATIDÆ.

- * Rhinobatus lentiginosus Garman.

TRYGONIDÆ.

- Pteroplatea maclura (Les.) M. & H.
 * Trygon sabina Le Sueur.

PRISTIDÆ.

- * Pristis pectinatus Lath.

SPHYRNIDÆ.

- * Sphyrna tiburo (Linn.) Raf.

GALEORHINIDÆ.

- * Hypoprion brevirostris Poey.
 * Scoliodon terraenovæ Rich.
 Carcharinus platyodon (Poey) J. & G.

LAMNIDÆ.

- * Isurus DeKayi (Gill) Jor. & Gilb.

GINGLYMOSTOMIDÆ.

- * Ginglymostoma cirratum (Gmel.) M. & H.

PETROMYZONTIDÆ.

- * Petromyzon castaneus (Grd.) Bean.